Ionic Vs. Covalent Bonds

Ionic Covalent

Transfers electrons Shares electrons

Conducts electricity if dissolved Little or no conductivity

Forms networks of ions Forms molecules

Ions can have positive or Do not have to share electrons

negative charges equally

Bonds of metals and nonmetals Bonds of nonmetals

Solid at room temperature Solid, liquid, or gas at room

temperature

High melting and boiling points Low melting and boiling points

Na+Cl- is an example H2O and O2 are examples